

IN THE CLAIMS

The following listing of claims is provided as a courtesy.

Listing of Claims

Claim 11 (previously presented): A pump for supplying transmission oil comprising:
a pump housing and a side plate for a rotating group situated in the pump housing, at least temporarily, an axial gap occurring between the side plate and the pump housing;
a shaft mounted in the pump housing; and
a radial packing ring situated in a recess around the shaft, the radial packing ring radially sealing off the rotating group with respect to a surface on the pump housing and radially sealing off the rotating group on the shaft via a first sealing lip so as to form a radial seal between the shaft and the pump housing, the radial packing ring also establishing an axial seal between the pump housing and the side plate.

Claim 12 (previously presented): The pump as recited in claim 11 wherein the axial seal bridges the axial gap.

Claim 13 (previously presented): The pump as recited in claim 11 wherein the radial packing ring includes a second sealing lip forming the axial seal.

Claim 14 (previously presented): The pump as recited in claim 13 wherein the radial packing ring has a radially outside seal contacting the surface of the pump housing to radially seal off the rotating group with respect to the surface of the pump housing, the radially outside seal having the second sealing lip.

Claim 15 (previously presented): The pump as recited in claim 11 wherein the radial packing ring includes radially outside sealing sections facing away from the interior of the pump.

Claim 16 (previously presented): The pump as recited in claim 11 further comprising a spacer axially positioning the side plate with respect to the pump housing.

Claim 17 (previously presented): The pump as recited in claim 13 wherein the second sealing lip is free of contact with the shaft.

Claim 18 (previously presented): The pump as recited in claim 11 wherein the side plate has a side plate seal pressing elastically against the pump housing thereby enlarging or creating the axial gap during a standstill of the pump.

Claim 19 (previously presented): The pump as recited in claim 12 wherein the axial seal bridges the gap, the gap being a function of component tolerances.

Claim 20 (previously presented): The pump as recited in claim 12 wherein the axial seal seals a leak oil pressure area from an oil suction pressure area of the pump.

Claim 21 (previously presented): The pump as recited in claim 11 wherein the pump is a vane cell pump.